

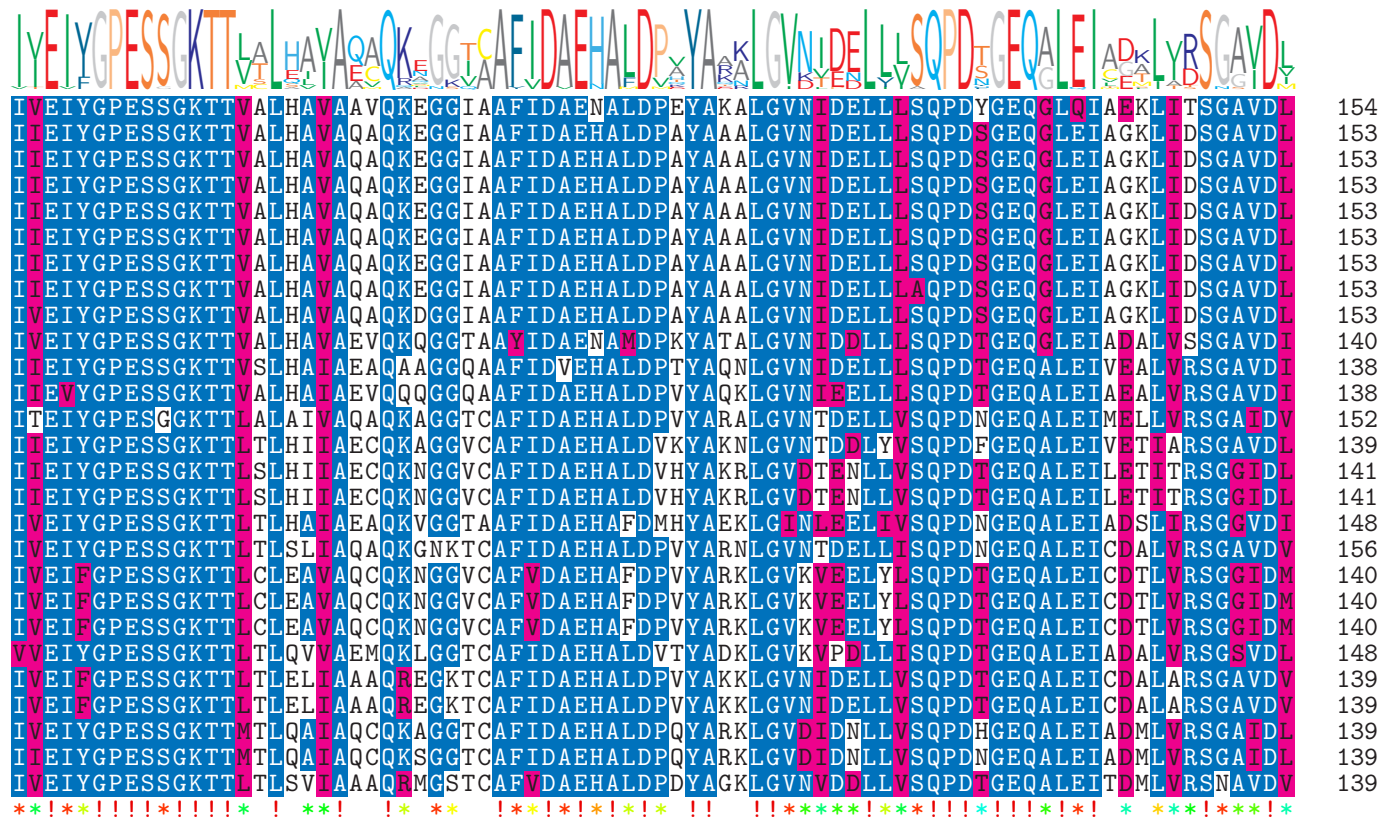
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NTDB id 600 KW2 RS01765 WP 011675413.1	MATKK.....KTNFDDITKKYGA	ERDKALADALALIEKD	FGKGSIMRLGEA	.ANQKVS	VSSGSLALD	I	ALGAGGY	PKGR	74
NTDB id 269 KZH43 RS08665 WP 001085462.1	.MAKK.....PKKLEEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVM	SSGSLALD	I	ALGSGGY	PKGR	73
NTDB id 228 SPD RS09265 WP 001085462.1	.MAKK.....PKKLEEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVM	SSGSLALD	I	ALGSGGY	PKGR	73
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NTDB id 159 SP RS09750 WP 001085462.1	.MAKK.....PKKLEEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVM	SSGSLALD	I	ALGSGGY	PKGR	73
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NTDB id 527 SMSK321 RS11065 WP 001085454.1	.MAKK.....PKKLDEISKKFGA	EREKALNDALKLIEKD	FGKGSIMRLGER	.AEQKVQVM	SSGSLALD	I	ALGSGGY	PKGR	73
NTDB id 453 Spy49 1753c ACI62003.1	.MAKK.....LKKNEEITKKFGD	ERRKALDDALKNIEKD	FGKGAVMRLGER	.AEQKVQVM	SSGSLALD	I	ALGAGGY	PKGR	73
NTDB id 408 SMU RS09530 WP 002262392.1	.MAKR.....IKKTEEITKKFGD	ERRKALDDALKNIEKD	FGKGAVMRLGER	.AEQKVQVM	SSGSLALD	I	ALGAGGY	PKGR	73
NTDB id 625 LCA RS02525 WP 011374196.1	MAKD	ERQAALDAALKKIEKN	FGKGSIMRMGEK	.VDTQVST	VSSGSLALD	E	ALGVGGY	PRGR	60
NTDB id 351317 E2636 RS09900 WP 134210050.1	MS	DRKAALDMALKQIEKQ	FGKGSIMKLGEK	.TDREILT	TSSGSLTLD	V	ALGVGGY	PRGR	58
NTDB id 115 BSU 16940 NP 389576.2	MS	DRQAALDMALKQIEKQ	FGKGSIMKLGEK	.TDTRIST	VPSGSLALD	T	ALGIGGY	PRGR	58
NTDB id 1313 DR RS12030 WP 010888966.1	MSKDATKEISAPTD	AKERSKATETAMSQIEKA	FGKGSIMKLGA	E.SKLDVQV	VSTGSLSLD	L	ALGVGGI	PRGR	72
NTDB id 1245 Cj1673c YP 002345041.1	MDDN	KRKSLDAALKS	LDKTFGKGTILRLGDK	.EVEQIDS	IGTGSVGLD	L	ALGIGGV	PKGR	59
NTDB id 1211 C694 RS00795 WP 000963128.1	MAIDE	DKQKATISLAIKQID	KVFGKGALVRLGDK	.QVEKIDS	ISTGSLGLD	L	ALGIGGV	PKGR	61
NTDB id 1214 NCTC11637 00359 SQJ03206.1	MAIDE	DKQKATISLAIKQID	KVFGKGALVRLGDK	.QVEKIDA	ISTGSLGLD	L	ALGIGGV	PKGR	61
NTDB id 1334 RAOC RS04870 WP 004918236.1	MAKT..ETTSPND	DKKKALAAVLEKLDKT	YGKGTVMKLG	DGTVDHNI	EVIPSGSLGLD	L	ALGVGGY	PKGR	68
NTDB id 1389 A4U84 RS07560 WP 021112712.1	.MAENKKSSKNNTV..VKQVEPEQ	KKQALEAALAQIEKQ	FGKGSIMKLQGT	.EQLDIES	VSTGSLGLD	L	ALGIGGL	PMGR	76
NTDB id 1130 NGFG RS03960 WP 003688695.1	MSD	DKSKALAAALAQIEKS	FGKGAIMKMDGSQ	QEEENLEV	ISTGSLGLD	L	ALGVGGL	PRGR	60
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NTDB id 1142 GTF74 RS11550 WP 000344154.1	MDEN	KQKALAAALGQIEKQ	FGKGSIMRLGDN	.RAMDVET	ISTGSLSLD	I	ALGAGGL	PMGR	59
NTDB id 1022 ACIAD RS06390 WP 004925639.1	MDDN	KSKALQAALSQIEKQ	FGKNTVMRLGDN	.TVQAVEA	VSTGSLTLD	I	ALGIGGL	PKGR	59
NTDB id 1074 ABD1 RS10195 WP 000344167.1	MDEN	KSKALQAALSQIEKQ	FGKNTVMRLGDN	.TVQAVEA	VSTGSLTLD	I	ALGIGGL	PKGR	59
NTDB id 1205 PSJM300 05545 AFN77183.1	MDEN	KKRALAAALGQIEKQ	FGKGAVMRMGDH	.DRQAIPS	ISTGSLGLD	I	ALGIGGL	PKGR	59
consensus		*** **	***	***!	***!	***!	***!	***!	

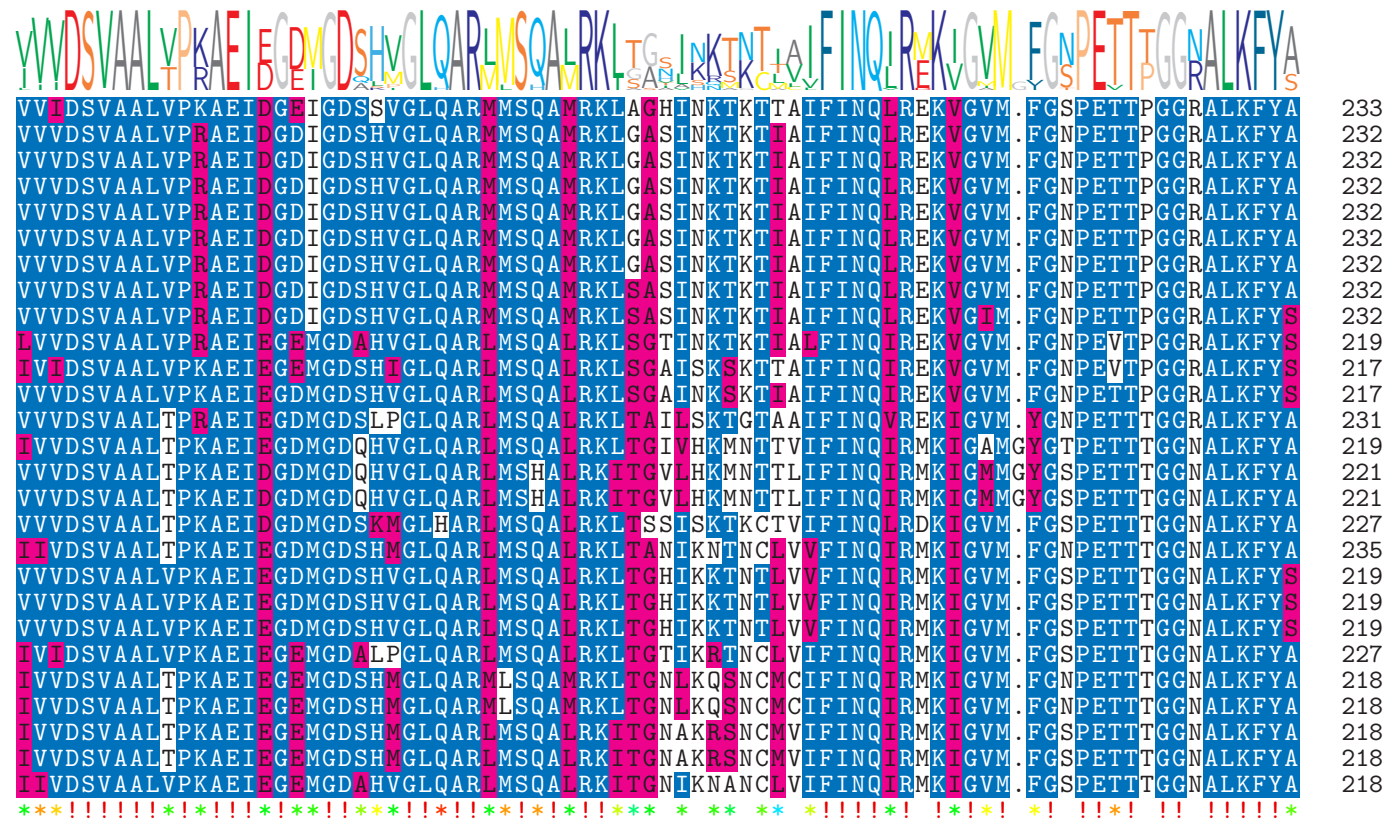
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NTDB id 159 SP RS09750 WP 001085462.1
NTDB id 499 SM12261 RS08315 WP 078228268.1
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NTDB id 351317 E2636 RS09900 WP 134210050.1
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NTDB id 1313 DR RS12030 WP 010888966.1
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NTDB id 1205 PSJM300 05545 AFN77183.1
consensus

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consensus



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NTDB id 1389 A4U84 RS07560 WP 021112712.1	SVRLDIRRCGV....V.KDGDEI	IGSETKVVVVKNKVAPPFREV	QFDDIMYEGEGISRMNELL	ILAEANG	FIIKKSGAWFSYD	310			
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NTDB id 1142 GTF74 RS11550 WP 000344154.1	SVRLDIRRTGA....I.KEGEEV	VGNETRIKVVKNKIAAPFKEA	NTQIMYGGGFNREGELI	DLGVKHK	MVEKSGAWYSYN	293			
NTDB id 1022 ACIAD RS06390 WP 004925639.1	SVRLDIRRIGQ....V.KEGDEI	IGSETKVVVVKNKMAPPFRE	AIFFQILYGGKGVNQLGEL	VDLAVQQ	NIVQKAGAWYSYQ	293			
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NTDB id 1205 PSJM300 05545 AFN77183.1	SVRLDIRRTGA....V.KEGDEV	VGSETR	VKVVKNKVAPPFRQA	EFQILYGGKGIYRNGEI	IDLGVQQGLVEKSGAWYAYK	293			
consensus	*!!**!*~	*~	**~	*****!!*!!*!!*!!*~	*~	*****!!*!!**~	*****~	***~	!!*****!

NTDB id 600 KW2 RS01765 WP 011675413.1
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NTDB id 1205 PSJM300 05545 AFN77183.1
consensus

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GEKIGQGS	ENAKKFL	ADNPEIF	DDID	HKVR	RVQY	GLIEED	NTEEK	QSSKEK	ETDEK	ADKNL	VLEL	DDTIELE		382
SERIGQGS	ENAKNYL	ADHED	VE	EVRL	KKV	RAAY	G	ISDV	PEED	LP	TTEDE	QINIL	PDDSTEE	355
DDRLGQGS	ENAKQYL	KDNHAT	RNEIA	QKIR	AA	YGM	TATY	TIGAH	DEEEENE	EFELS	LDKK			353
EERLGQGS	ENAKQYL	KNK	DI	MLMI	QEQI	REHY	GL	DNNG	VVQQ	AAET	QEEL	EFEE		348
DERIGQGS	EKTTI	AYIA	IER	PEMEQ	EIR	DRV	MAA	IRAG	NAGEA	PALAP	APAA	EEAAE	A	363
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GAKIGQGS	KDN	VRVWL	KEN	PEI	S	DEI	AKI	RAL	NG	VEMHI	TEGTQ	DET	DGE	348
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GAKIGQGS	KDN	VRVWL	KEN	PEI	S	DEI	AKI	RAL	NG	VEMHI	TEGTQ	DET	DGE	348
GERIGQGS	RDC	REFL	RENA	EL	AR	EI	ENK	VREHL	G	VT	PMG	AVTLA	EEVEE	352
GDKIGQGS	KAN	ACKYL	KEN	PEI	AKT	LD	KKL	REML	LN	PENM	QLIAET	SSA	AD	354
GDKIGQGS	KAN	ACKYL	KEN	PEI	AKT	LD	KKL	REML	LN	PENM	QLIAET	SSA	AD	354
GNKIGQGS	KNN	VIRY	LE	NP	QI	STEI	E	AVI	RE	QL	LT	TKASD	QTAA	349
GNKIGQGS	KNN	VIRY	FE	NN	QI	AEI	E	ERN	I	RE	QL	LT	GTN	349
GSKIGQGS	KANA	AKYLE	EN	PEI	GQ	EIE	QQI	RAKL	VT	TSAN	TKATP	VAEDLA	DADI	347

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NTDB id 600 KW2 RS01765 WP 011675413.1	...	387	
NTDB id 269 KZH43 RS08665 WP 001085462.1	IEE	388	
NTDB id 228 SPD RS09265 WP 001085462.1	IEE	388	
NTDB id 194 SPR RS08825 WP 001085462.1	IEE	388	
NTDB id 159 SP RS09750 WP 001085462.1	IEE	388	
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consensus			

- X non conserved
- X similar
- X ≥ 50% conserved